

Serial No. 10/715,569
August 17, 2005
Reply to the Office Action dated May 20, 2005
Page 3 of 11

ABSTRACT OF THE DISCLOSURE

A method of manufacturing a piezoelectric component in which an internal electrode and a dummy electrode are printed on a green sheet and a floating electrode is printed on a green sheet. A plurality of green sheets, each having the internal electrode and the dummy electrode printed thereon, and the green sheet on which the floating electrode is printed are stacked to obtain a layered product in which at least one floating electrode layer is arranged in at least one of the green sheets between the adjacent internal electrodes in the stacking direction and/or the green sheets outside the outermost internal electrodes in the stacking direction, a plurality of the internal electrodes are extended to opposite first and second sides alternately in the thickness direction, and the dummy electrode is arranged between an end of the internal electrode opposite to the side extended to one of the sides and the other side to which the internal electrode is not extended. The layered product is then fired to obtain a sintered ceramic compact body. First and second external electrodes are respectively formed on the first and second sides of the sintered ceramic compact body, and a DC electric field is applied between the first and second external electrodes to polarize the sintered ceramic compact body.